DECLARATION AND POWER OF ATTORNEY FOR UNITED STATES PATENT APPLICATION

×	Original		□ Sup _l	olemental			Substitute
As a	a below name	d inventor, I hereb	y declare	that:			
Му	residence, po	st office address a	nd citizer	ship are as stated	below next to	my r	name, and
and	joint inventor	(if more than one	name is				w) or an original, first ich is claimed and for
[1, 7	7] NAPHTHY	RIDINES AS PDE4	INHIBIT	ORS			
the	specification o	of which:					
	is attache	d hereto.					
	was filed		month/yea	as Application	No		
	and, if this	box (□) contains	an ×				
	□ w	as amended on _	(day/mor	nth/year)			
			` '	. ,			
×	was filed a	as Patent Coopera	tion Trea	ty international App	lication No.		
	PCT/EP0	3/14263	on	15/12/2003 (day/month/year)			
	and, if this	box (□) contains	an ×				
	□ er	ntered the national	stage in	the United States a	ind was accor	ded	Application No.
	and, if this	box (□) contains	an ×				
	□ w	as amended, subs	equent to	entry into the natio	onal stage, on		
			•	-		_	(day/month/year)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) specifically referred to above and, if this application was filed as a Patent Cooperation Treaty international application, by any amendments made during the international stage (including any made under Patent Cooperation Treaty Rule 91, Article 19 and Article 34).

I acknowledge my duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including, for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or Patent Cooperation Treaty international filing date of the continuation-in-part application.

COUNTRY/REGION (OR P.C.T.)	APPLICATION No.	FILING DATE (day/month/year)	PRIORITY CLAIMED						
Great Britain	0229281.1	16/12/2002	×	Yes		No			
				Yes		No			
				Yes		No			
				Yes		No			
				Yes		No			
I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below:									
APPLICATION NO.		FILING DATE							

United States	United States	Status (Pending,	International			
Application No.	Filing Date	Abandoned or U.S.	Application No.	and Filing Date		
''	(day/month/year)	Patent No.)		(day/month/year)		

I hereby appoint all of the registered practitioners associated with Customer No. 001095, respectively and individually, as my attorneys and agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

If this box (\square) contains an x \boxtimes , I hereby authorize the registered practitioners associated with Customer No. 001095 and any others acting on my behalf to take any action relating to this application based on communications from Corporate Intellectual Property of Novartis International AG, Basle, Switzerland, or an affiliate thereof or a successor thereto, without direct communication from me.

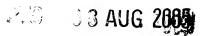
Please send all correspondence relating to this application to the address associated with Customer No. 001095.

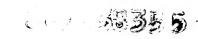
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full name of sole or first joint inventor	Alastair DENHOLM		
Inventor's signature	Alastair Denholn	Date -	5.7. 2005 (day/month/year)
Residence	Horsham, Great Britain		
Citizenship	citizen of Great Britain Novartis Pharmaceuticals UK Ltd.		
Post Office Address	Patents and Trademarks Wimblehurst Road Horsham, West Sussex RH12 5AB Great Britain		
Full name of second joint inventor, if any	Thomas Hugo KELLER		
Inventor's signature		Date -	(day/month/year)
Residence	Singapore		
Citizenship	citizen of Switzerland		
Post Office Address	Novartis Institute for Tropical Diseases 1 Science Park Road 04-14 The Capricorn, Science Park II Singapore 117528		

Full name of third joint inventor, if any	Clive MCCARTHY		
Inventor's signature	·	Date .	(day/month/year)
			(22)
Residence	4056 Basel, Switzerland		
Citizenship	citizen of Great Britain		
Post Office Address	Lichtstrasse 35 4056 Basel Switzerland		
Full name of fourth joint inventor, if any	Neil John PRESS		
Inventor's signature		Date .	
			(day/month/year)
Residence	Horsham, Great Britain		
Citizenship	citizen of Great Britain		
Post Office Address	Novartis Horsham Research Centre Wimblehurst Road Horsham, West Sussex RH12 5AB Great Britain		
Full name of fifth joint inventor, if any	Roger John TAYLOR		
Inventor's signature		Date .	(day/month/year)
			(aujoyou.,
Residence	Horsham, Great Britain		
Citizenship	citizen of Great Britain		
Post Office Address	Novartis Horsham Research Centre Wimblehurst Road Horsham, West Sussex RH12 5AB Great Britain		

US





DECLARATION AND POWER OF ATTORNEY FOR UNITED STATES PATENT APPLICATION

×	Original		Supplemental		Substitute
As a	a below named inventor, I here	eby d	eclare that:		
Μvι	esidence, post office address	and	citizenship are as stated below next to	my r	name, and
and		e na	ole inventor (if only one name is listed me is listed below) of the subject matte on the invention entitled		
1, 7	NAPHTHYRIDINES AS PDE	4 INF	IIBITORS		
the	specification of which:				
	is attached hereto.				
	was filed on (da	ıy/mo	as Application No		
	and, if this box (□) contain	ns ar	₁ ×		
	□ was amended on	(d	ay/month/year)		
×	was filed as Patent Coope	ratio	n Treaty international Application No.		
	PCT/EP03/14263		on <u>15/12/2003</u> (day/month/year)		
	and, if this box (□) contain	ns ar	1 ×		
	entered the nation	al st	age in the United States and was acco	orded	Application No.
	and, if this box (□) contain	ns ar			
	□ was amended, su	bseq	uent to entry into the national stage, o	n _	
					(day/month/year)

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COUNTRY/REGION (OR P.C.T.)	APPLICATION No.	FILING DATE (day/month/year)	PRIORITY CLAIME			IMED				
Great Britain	0229281.1	16/12/2002	×	Yes		No				
				Yes		No				
				Yes		No				
				Yes		No				
				Yes		No				
I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below:										
APPLICATION NO.		FILING DATE								

United States	United States	Status (Pending,	International	
Application No.	Filing Date	Abandoned or U.S.	Application No. and Filing D	
	(day/month/year)	Patent No.)		(day/month/year)

US

I hereby appoint all of the registered practitioners associated with Customer No. 001095, respectively and individually, as my attorneys and agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

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Full name of sole or first joint inventor	Alastair DENHOLM		
Inventor's signature		Date —	(day/month/year)
Residence	Horsham, Great Britain		
Citizenship	citizen of Great Britain		
Post Office Address	Novartis Horsham Research Centre Wimblehurst Road Horsham, West Sussex RH12 5AB Great Britain		·
Full name of second joint inventor, if any	T <u>homas Hugo</u> KELLER		
Inventor's signature	Name Hego W	Date	7 June 2005 (day/month/year)
Residence	Singapore 5GX		
Citizenship	citizen of Switzerland		
Post Office Address	23 Jalan Merah Saga The Merasaga 06-01, Singapore 278102 Singapore		

US Case PR/4 -32811A/HO 67

Full name of third joint inventor, if any	Clive MCCARTHY		
Inventor's signature		Date -	(day/month/year)
Residence	Horsham, Great Britain		
Citizenship	citizen of Great Britain		
Post Office Address	Novartis Horsham Research Centre Wimblehurst Road Horsham, West Sussex RH12 5AB Great Britain		
Full name of fourth joint inventor, if any	Neil John PRESS		
Inventor's signature		Date -	(day/month/year)
Residence	Horsham, Great Britain		
Citizenship	citizen of Great Britain		
Post Office Address	Novartis Horsham Research Centre Wimblehurst Road Horsham, West Sussex RH12 5AB Great Britain		
Full name of fifth joint inventor, if any	Roger John TAYLOR		
Inventor's signature		Date -	(day/month/year)
Residence	Horsham, Great Britain		
Citizenship	citizen of Great Britain Novartis Horsham Research Centre		
Post Office Address	Wimblehurst Road Horsham West Sussey RH12 5AR Great		

Britain



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Му	residence, post office address	and o	citizenship are as stated below next	to my	name, and
and		e nar	e inventor (if only one name is listen ne is listed below) of the subject mat on the invention entitled		
1, 7	NAPHTHYRIDINES AS PDE	4 INH	IBITORS		
the	specification of which:				
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	was filed on (da	ıy/mor	as Application No		
	and, if this box (□) contain	ns an	×		
	☐ was amended on				
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	PCT/EP03/14263		on <u>15/12/2003</u> (day/month/year)		
	and, if this box (□) contain	ns an	*		
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	and, if this box (□) contain	ns an	*		
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COUNTRY/REGION (OR P.C.T.)	APPLICATION No.	FILING DATE (day/month/year)	Р	RIORITY	'CLA	IMED			
Great Britain	0229281.1	16/12/2002	×	Yes		No			
				Yes		No			
				Yes		No			
				Yes		No			
				Yes		No			
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Application No.	Filing Date	Abandoned or U.S.	Application No.	and Filing Date
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Full name of sole or first joint inventor	Alastair DENHOLM		
Inventor's signature		Date _	(day/month/year)
Residence	Horsham, Great Britain		
Citizenship	citizen of Great Britain		
Post Office Address	Novartis Pharmaceuticals UK Ltd. Patents and Trademarks Wimblehurst Road Horsham, West Sussex RH12 5AB Great Britain		
Full name of second joint inventor, if any	Thomas Hugo KELLER		
Inventor's signature		Date	
		_	(day/month/year)
Residence	Singapore		
Citizenship	citizen of Switzerland		
Post Office Address	Novartis Institute for Tropical Diseases 1 Science Park Road 04-14 The Capricorn, Science Park II Singapore 117528		

Full name of third joint inventor, if any	Clive MCCARTHY		
Inventor's signature	Muie Mllus	Date .	26 /07/2005 (day/month/year)
Residence	4056 Basel, Switzerland		
Citizenship	citizen of Great Britain		
Post Office Address	Lichtstrasse 35 4056 Basel Switzerland		
Full name of fourth joint inventor, if any	Neil John PRESS		
Inventor's signature		Date .	(day/month/year)
Residence	Horsham, Great Britain		
Citizenship Post Office Address	citizen of Great Britain Novartis Horsham Research Centre Wimblehurst Road Horsham, West Sussex RH12 5AB Great Britain		
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[1, 7] NAPHTHYRIDINES AS PD	E4 IN	IHIBITORS		•
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Great Britain	0229281.1	16/12/2002	×	Yes		No	
				Yes		No	
		,		Yes		No	
				Yes		No	
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Full name of sole or first joint inventor Alastair DENHOLM Inventor's signature Date Residence Horsham, Great Britain Citizenship citizen of Great Britain Novartis Pharmaceuticals UK Ltd. Patents and Trademarks Wimblehurst Road Horsham, West Sussex RH12 5AB	
Residence Horsham, Great Britain Citizenship citizen of Great Britain Novartis Pharmaceuticals UK Ltd. Post Office Address Patents and Trademarks Wimblehurst Road	
Residence Horsham, Great Britain Citizenship citizen of Great Britain Novartis Pharmaceuticals UK Ltd. Post Office Address Wimblehurst Road	(day/month/year)
Citizenship citizen of Great Britain Novartis Pharmaceuticals UK Ltd. Post Office Address Patents and Trademarks Wimblehurst Road	(day/monally ball)
Novartis Pharmaceuticals UK Ltd. Post Office Address Patents and Trademarks Wimblehurst Road	
Post Office Address Patents and Trademarks Wimblehurst Road	
Great Britain	
Full name of second joint inventor, if any Thomas Hugo KELLER	
Inventor's signature Date	
	(day/month/year)
Residence Singapore	
Citizenship citizen of Switzerland	
Post Office Address Novartis Institute for Tropical Diseases 1 Science Park Road 04-14 The Capricorn, Science Park II Singapore 117528	

US Case PR/4 -32811A/HO 67

	Full name of third joint inventor, if any	Clive MCCARTHY		
	Inventor's signature		Date -	(day/month/year)
	Residence	4056 Basel, Switzerland		
	Citizenship	citizen of Great Britain		
	Post Office Address	Lichtstrasse 35 4056 Basel Switzerland		
W	Full name of fourth joint inventor, if any	Neil John PRESS		
	Inventor's signature	Nes Tohn Press	Date -	Str July 2005 (day/month/year)
	Residence	Horsham, Great Britain		
	Citizenship Post Office Address	citizen of Great Britain Novartis Horsham Research Centre Wimblehurst Road Horsham, West Sussex RH12 5AB Great Britain		
	Full name of fifth joint inventor, if any	Roger John TAYLOR		
	Inventor's signature	Roger John Taylor.	Date	5 th July 2005 (day/month/year)
	Residence .	Horsham, Great Britain		
	Citizenship Post Office Address	citizen of Great Britain Novartis Horsham Research Centre Wimblehurst Road Horsham, West Sussex RH12 5AB Great Britain		